

FIG-1



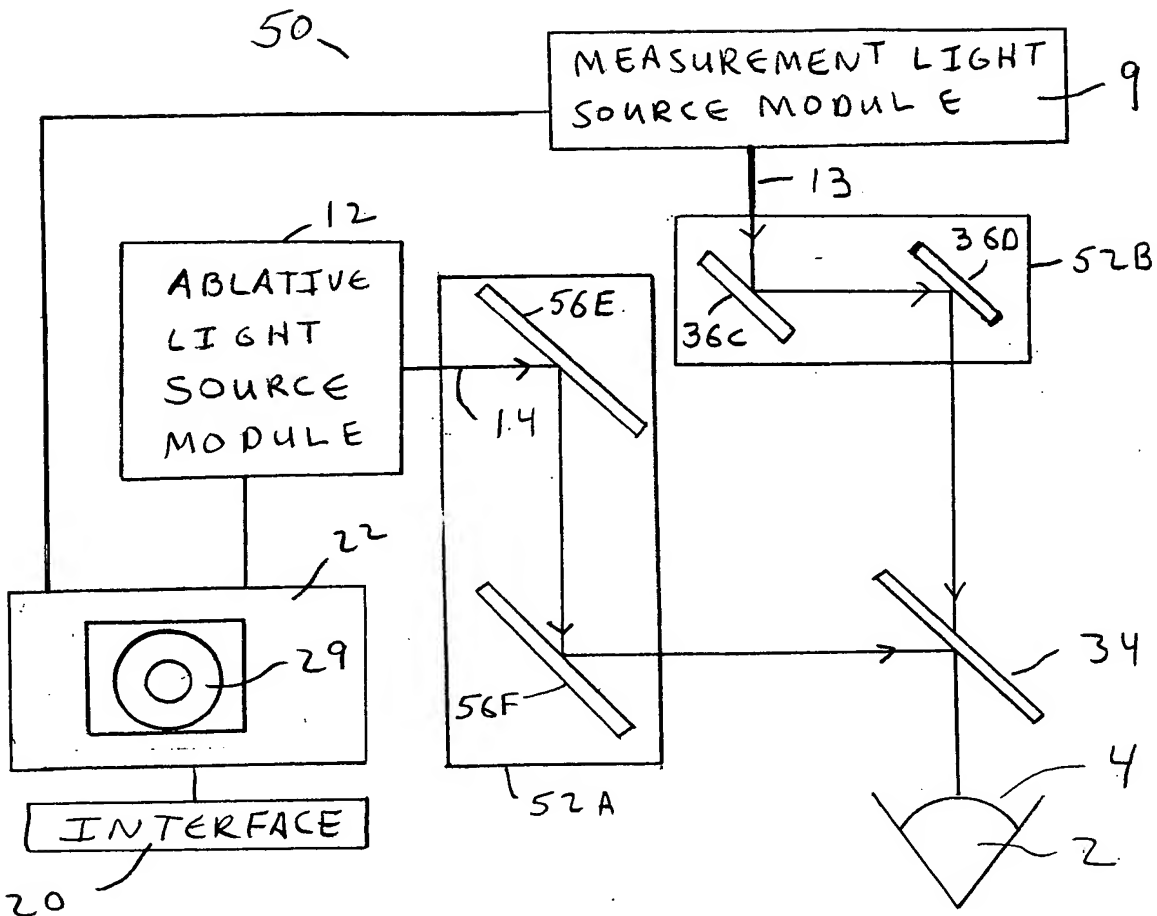


FIG 4

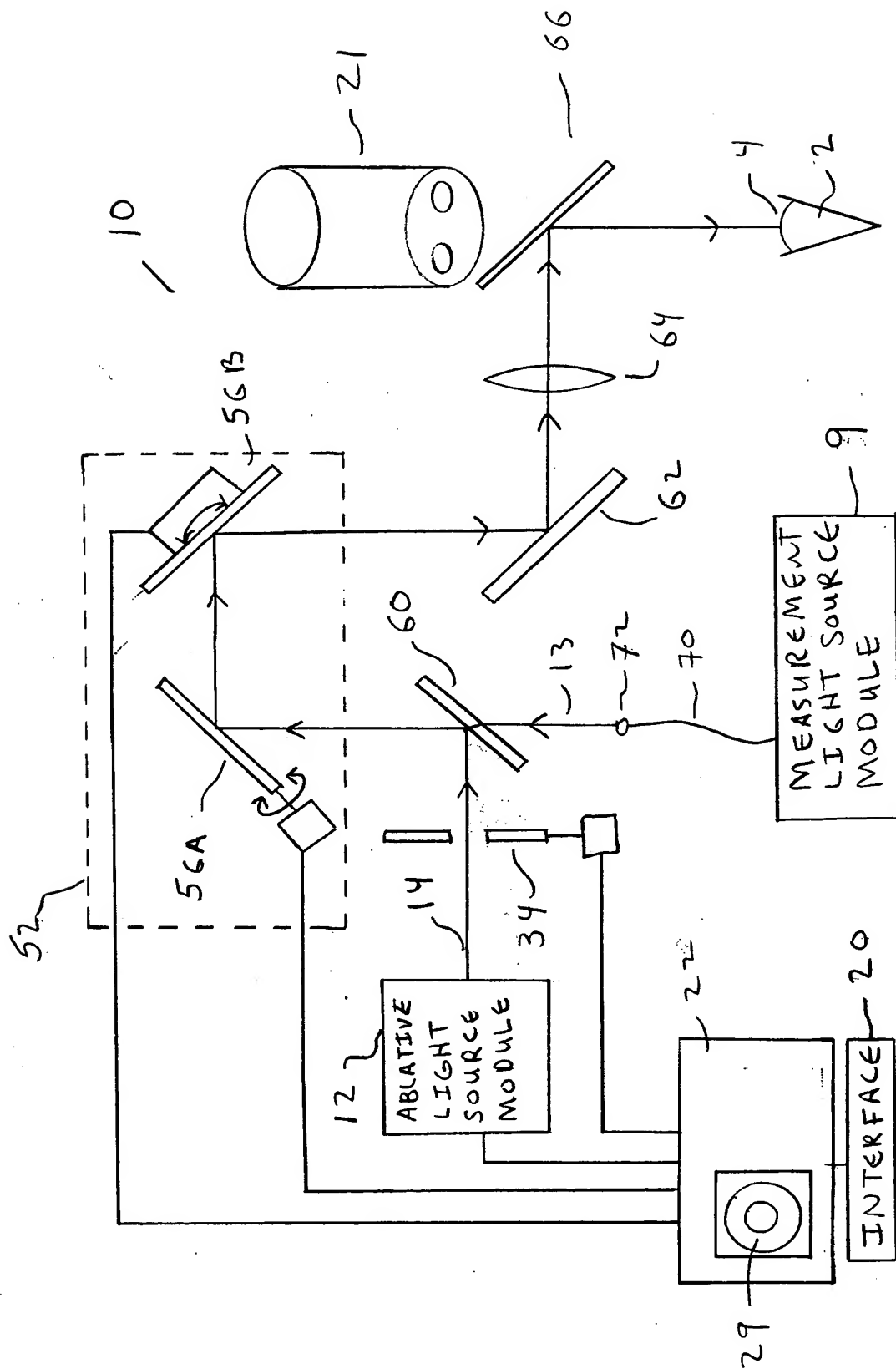
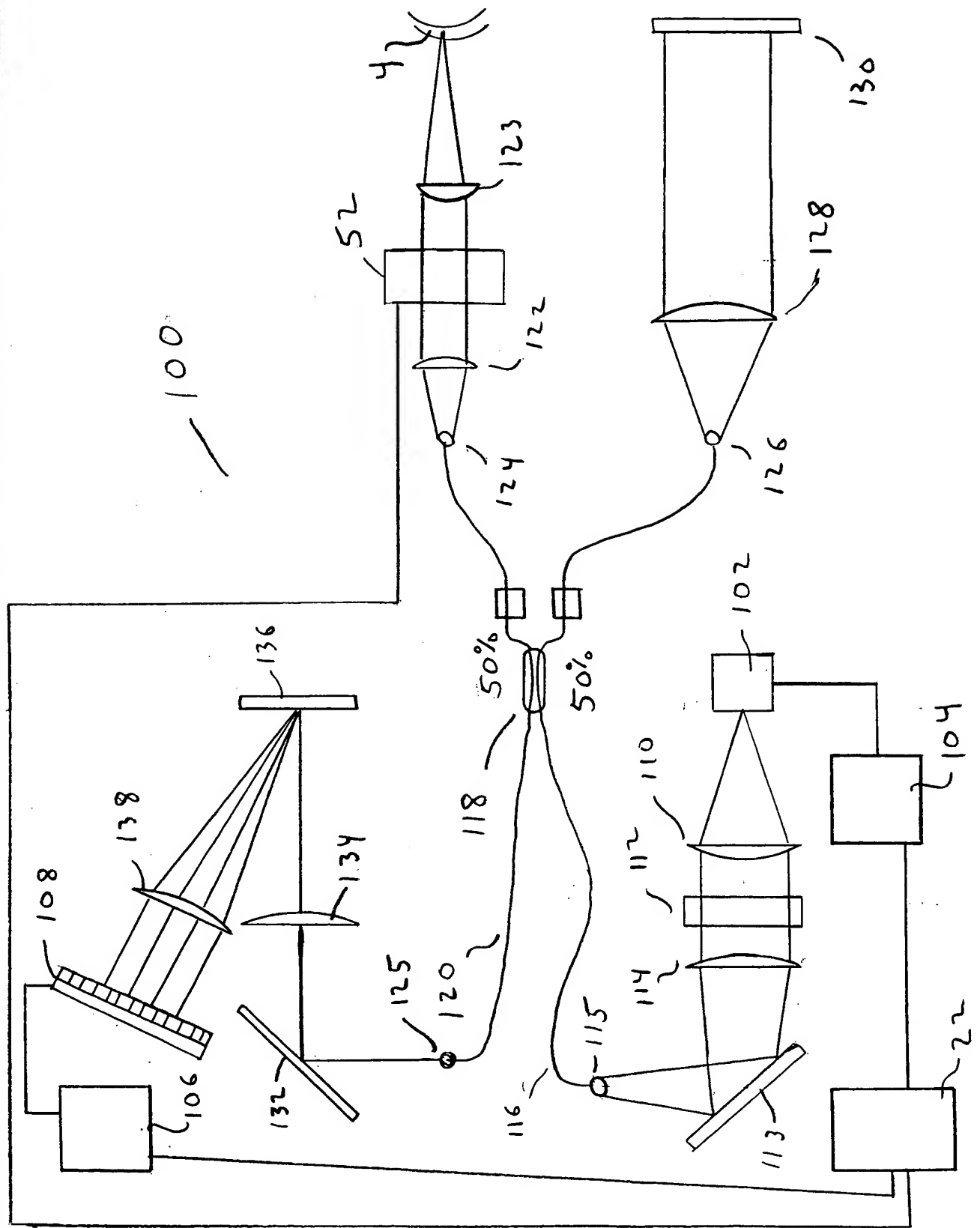
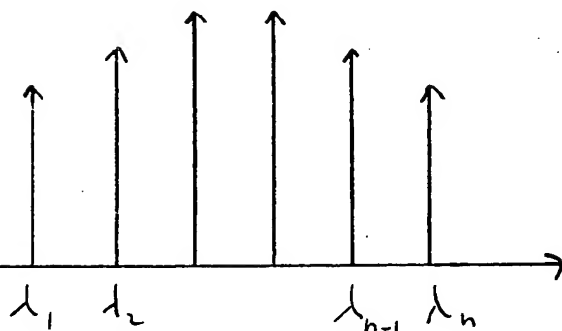


FIG-6



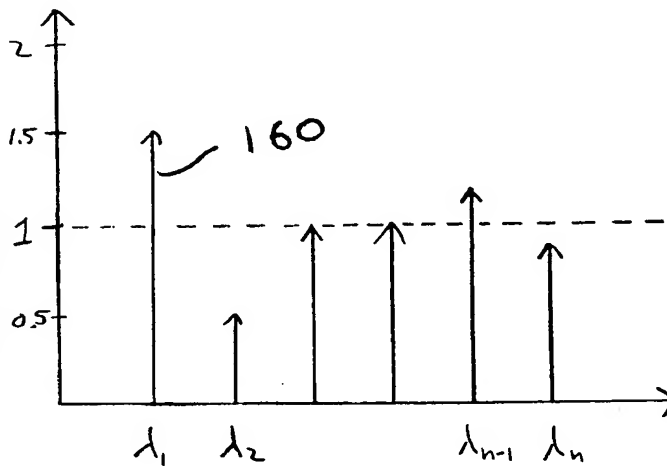
150

REFERENCE  
INTENSITY  
(A.U.)

WAVELENGTH ~ 152

FIG-7

154

NORMALIZED  
SIGNAL  
INTENSITY

WAVELENGTH

~ 156

FIG-8

22 142 100 SHEETS  
22 142 200 SHEETS

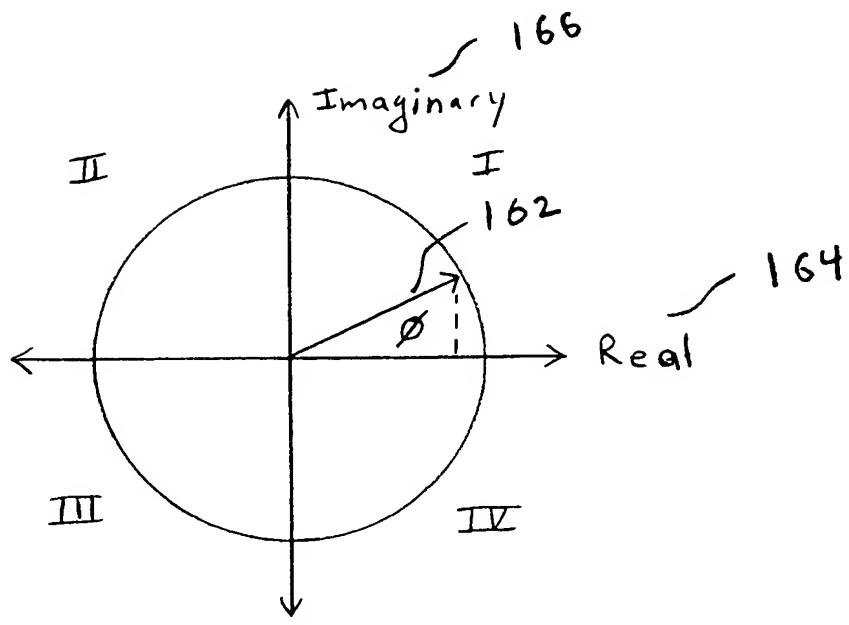


FIG-9

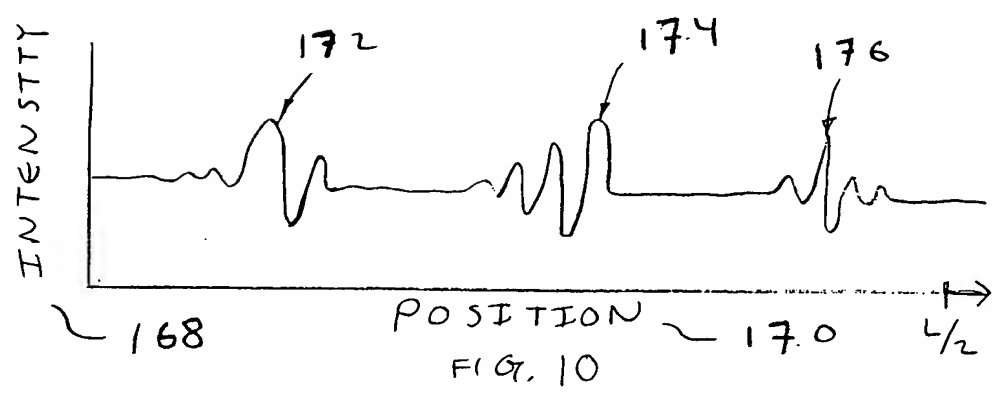
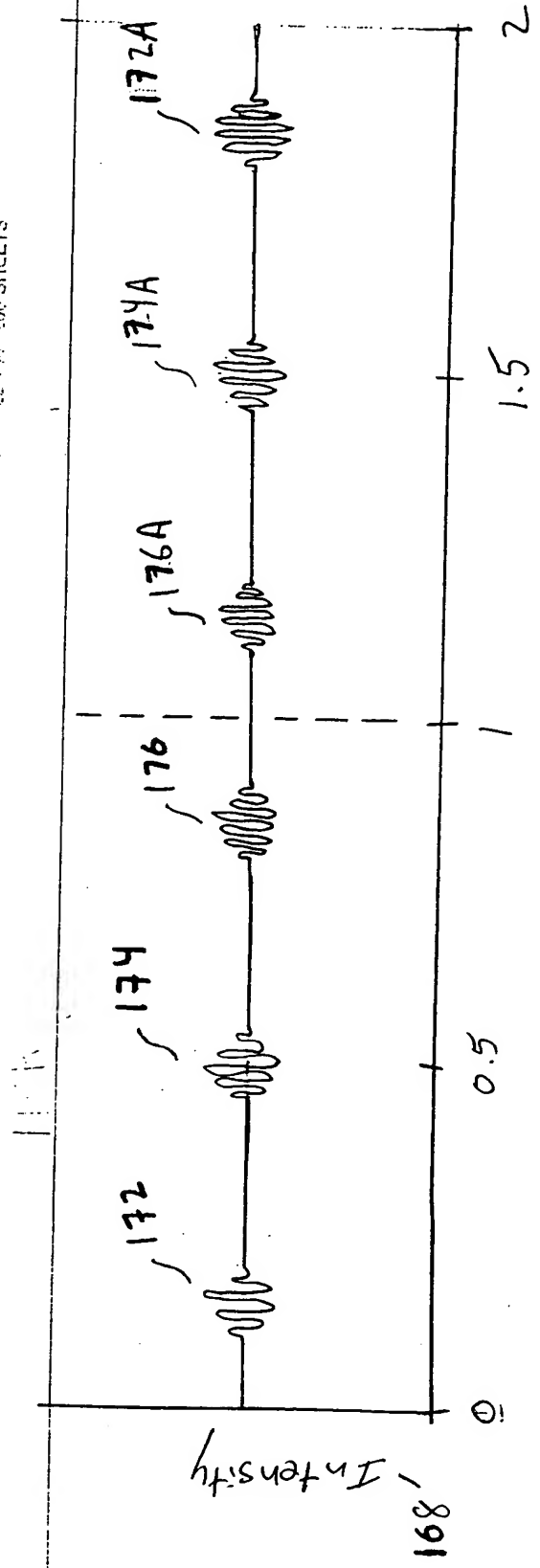


FIG. 10



120 - POSITION (OPL, mm)

FIG-10A



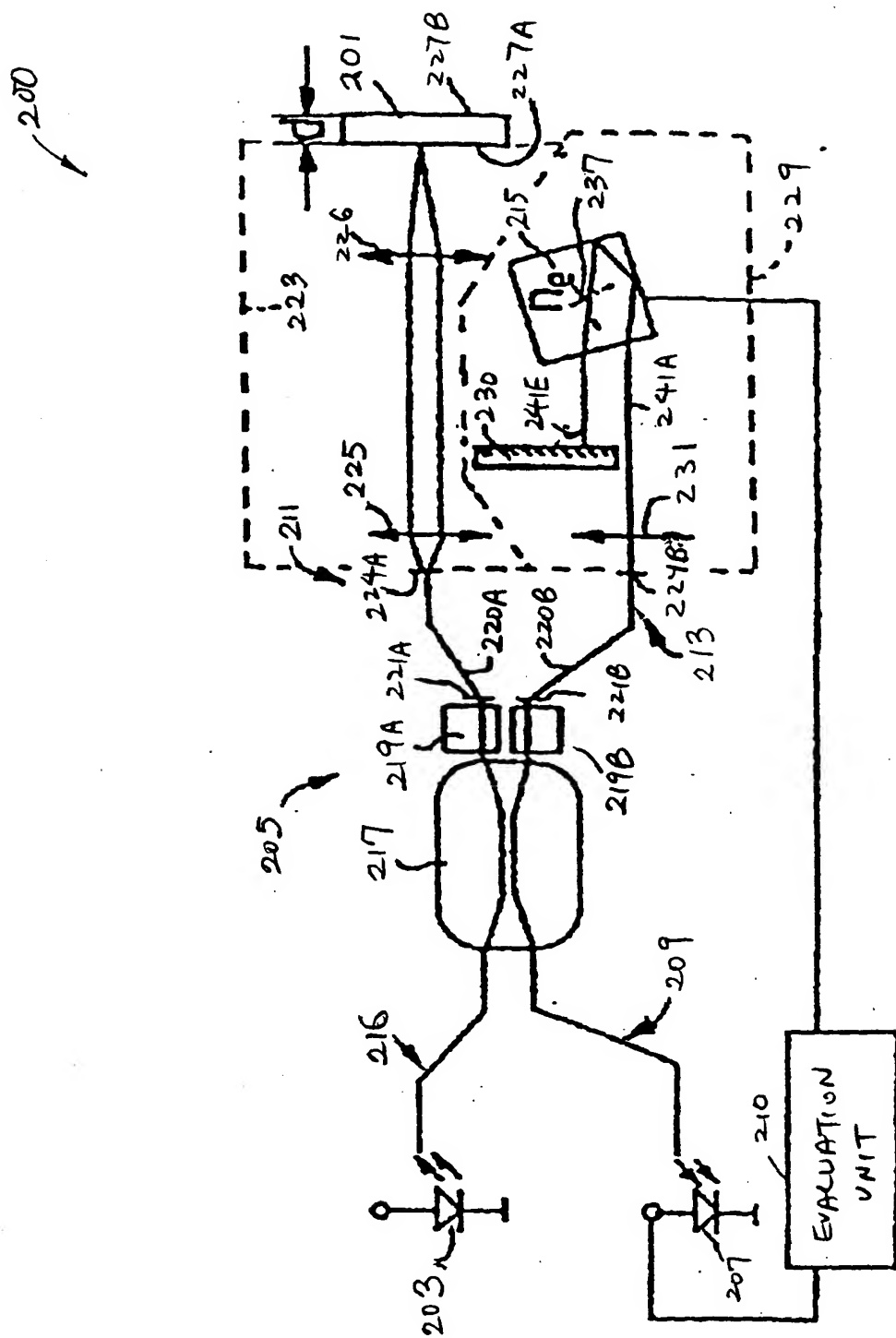


Fig. 11

wavelength (m) - 302 8.00E-07  
 velocity m/s - 308 1.25E+06  
 cycles/m - 312 1.25E+06  
 cycles/s - 310 1.25E+06

306

314

315

316

318

320

| Etalon Oscillations<br>(Integer) | wavelength<br>(meters) | delta wavelength<br>(nm) | Doppler Frequency<br>(Hz) | Delta Dopler<br>(Hz) | Spatial Frequency<br>(cycles/mm) | Delta Spatial Frequency<br>(cycles/mm) |
|----------------------------------|------------------------|--------------------------|---------------------------|----------------------|----------------------------------|--|
| 2480                             | 8.06452E-07            | 0.325051033              | 1.2400E+06                | -5.00E+02            | 1240                             | -0.5                                   |
| 2481                             | 8.06127E-07            | 0.324789106              | 1.2405E+06                | -5.00E+02            | 1240.5                           | -0.5                                   |
| 2482                             | 8.05802E-07            | 0.324527496              | 1.2410E+06                | -5.00E+02            | 1241                             | -0.5                                   |
| 2483                             | 8.05477E-07            | 0.324266202              | 1.2415E+06                | -5.00E+02            | 1241.5                           | -0.5                                   |
| 2484                             | 8.05153E-07            | 0.324005223              | 1.2420E+06                | -5.00E+02            | 1242                             | -0.5                                   |
| 2485                             | 8.04829E-07            | 0.323744559              | 1.2425E+06                | -5.00E+02            | 1242.5                           | -0.5                                   |
| 2486                             | 8.04505E-07            | 0.32348421               | 1.2430E+06                | -5.00E+02            | 1243                             | -0.5                                   |
| 2487                             | 8.04182E-07            | 0.323224174              | 1.2435E+06                | -5.00E+02            | 1243.5                           | -0.5                                   |
| 2488                             | 8.03859E-07            | 0.322964452              | 1.2440E+06                | -5.00E+02            | 1244                             | -0.5                                   |
| 2489                             | 8.03536E-07            | 0.322705043              | 1.2445E+06                | -5.00E+02            | 1244.5                           | -0.5                                   |
| 2490                             | 8.03213E-07            | 0.322445946              | 1.2450E+06                | -5.00E+02            | 1245                             | -0.5                                   |
| 2491                             | 8.0289E-07             | 0.322187161              | 1.2455E+06                | -5.00E+02            | 1245.5                           | -0.5                                   |
| 2492                             | 8.02568E-07            | 0.321928688              | 1.2460E+06                | -5.00E+02            | 1246                             | -0.5                                   |
| 2493                             | 8.02246E-07            | 0.321670525              | 1.2465E+06                | -5.00E+02            | 1246.5                           | -0.5                                   |
| 2494                             | 8.01925E-07            | 0.321412673              | 1.2470E+06                | -5.00E+02            | 1247                             | -0.5                                   |
| 2495                             | 8.01603E-07            | 0.321155131              | 1.2475E+06                | -5.00E+02            | 1247.5                           | -0.5                                   |
| 2496                             | 8.01282E-07            | 0.320897898              | 1.2480E+06                | -5.00E+02            | 1248                             | -0.5                                   |
| 2497                             | 8.00961E-07            | 0.320640974              | 1.2485E+06                | -5.00E+02            | 1248.5                           | -0.5                                   |
| 2498                             | 8.00641E-07            | 0.320384359              | 1.2490E+06                | -5.00E+02            | 1249                             | -0.5                                   |
| 2499                             | 8.0032E-07             | 0.320128051              | 1.2495E+06                | -5.00E+02            | 1249.5                           | -0.5                                   |
| 2500                             | 0.0000008              | 0.319872051              | 1.2500E+06                | -5.00E+02            | 1250                             | -0.5                                   |
| 2501                             | 7.9968E-07             | 0.319616358              | 1.2505E+06                | -5.00E+02            | 1250.5                           | -0.5                                   |
| 2502                             | 7.99361E-07            | 0.319360971              | 1.2510E+06                | -5.00E+02            | 1251                             | -0.5                                   |
| 2503                             | 7.99041E-07            | 0.319105891              | 1.2515E+06                | -5.00E+02            | 1251.5                           | -0.5                                   |
| 2504                             | 7.98722E-07            | 0.318851116              | 1.2520E+06                | -5.00E+02            | 1252                             | -0.5                                   |
| 2505                             | 7.98403E-07            | 0.318596645              | 1.2525E+06                | -5.00E+02            | 1252.5                           | -0.5                                   |
| 2506                             | 7.98085E-07            | 0.31834248               | 1.2530E+06                | -5.00E+02            | 1253                             | -0.5                                   |
| 2507                             | 7.97766E-07            | 0.318088618              | 1.2535E+06                | -5.00E+02            | 1253.5                           | -0.5                                   |
| 2508                             | 7.97448E-07            | 0.31783506               | 1.2540E+06                | -5.00E+02            | 1254                             | -0.5                                   |
| 2509                             | 7.9713E-07             | 0.317581805              | 1.2545E+06                | -5.00E+02            | 1254.5                           | -0.5                                   |
| 2510                             | 7.96813E-07            | 0.317328853              | 1.2550E+06                | -5.00E+02            | 1255                             | -0.5                                   |
| 2511                             | 7.96495E-07            | 0.317076202              | 1.2555E+06                | -5.00E+02            | 1255.5                           | -0.5                                   |
| 2512                             | 7.96178E-07            | 0.316823854              | 1.2560E+06                | -5.00E+02            | 1256                             | -0.5                                   |
| 2513                             | 7.95862E-07            | 0.316571806              | 1.2565E+06                | -5.00E+02            | 1256.5                           | -0.5                                   |
| 2514                             | 7.95545E-07            | 0.316320059              | 1.2570E+06                | -5.00E+02            | 1257                             | -0.5                                   |
| 2515                             | 7.95229E-07            | 0.316068612              | 1.2575E+06                | -5.00E+02            | 1257.5                           | -0.5                                   |
| 2516                             | 7.94913E-07            | 0.315817465              | 1.2580E+06                | -5.00E+02            | 1258                             | -0.5                                   |
| 2517                             | 7.94597E-07            | 0.315566617              | 1.2585E+06                | -5.00E+02            | 1258.5                           | -0.5                                   |
| 2518                             | 7.94281E-07            | 0.315316068              | 1.2590E+06                | -5.00E+02            | 1259                             | -0.5                                   |
| 2519                             | 7.93966E-07            | 0.315065817              | 1.2595E+06                | -5.00E+02            | 1259.5                           | -0.5                                   |
| 2520                             | 7.93651E-07            | 793.6507937              | 1.2600E+06                | 1.26E+06             | 1260                             | 1260                                   |

FIG-11A

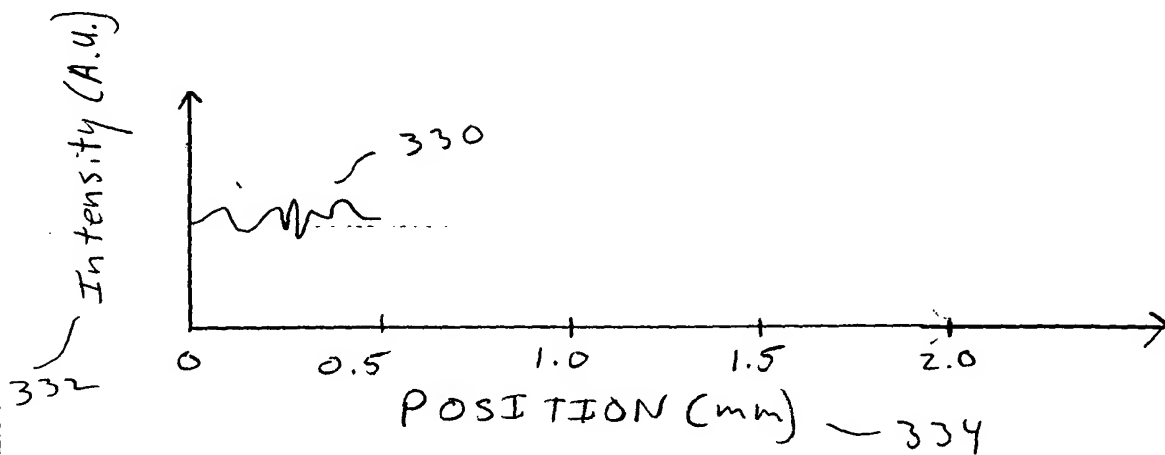


FIG-11B

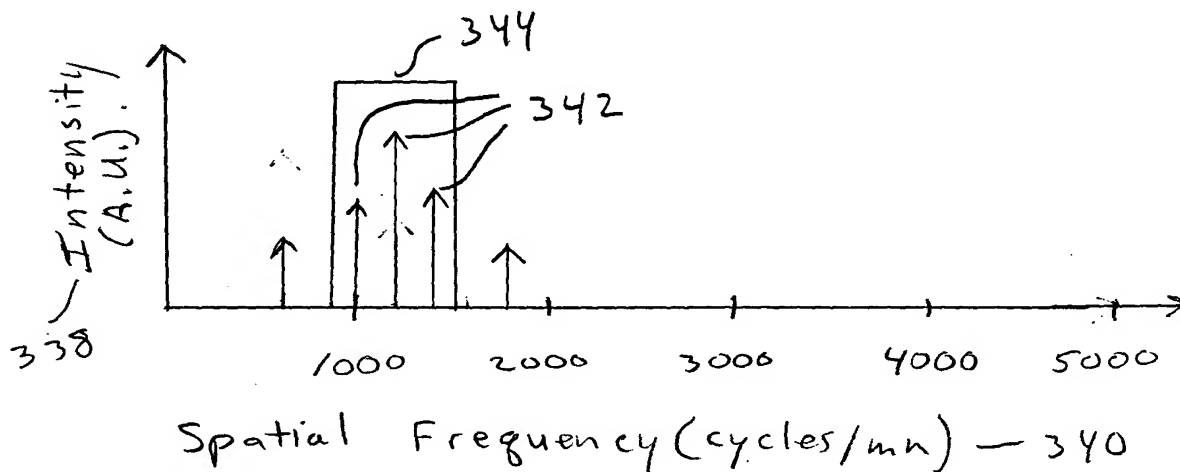


FIG-11C

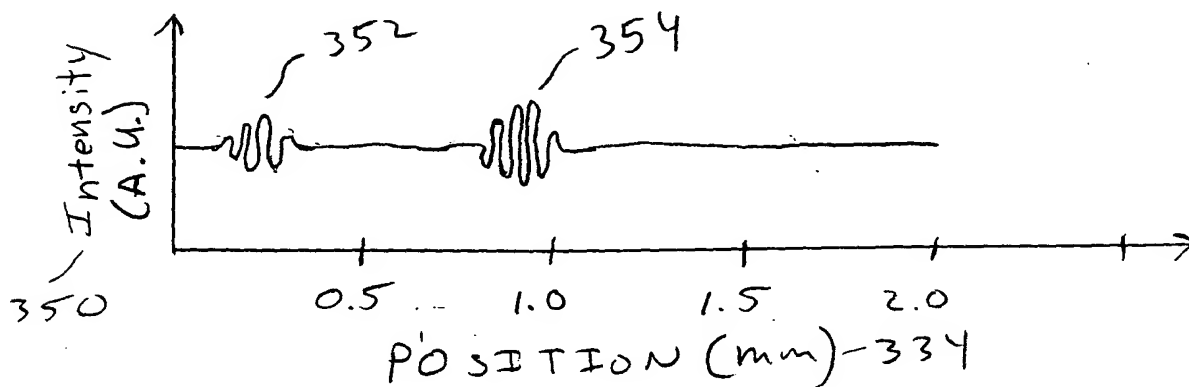


FIG-11D

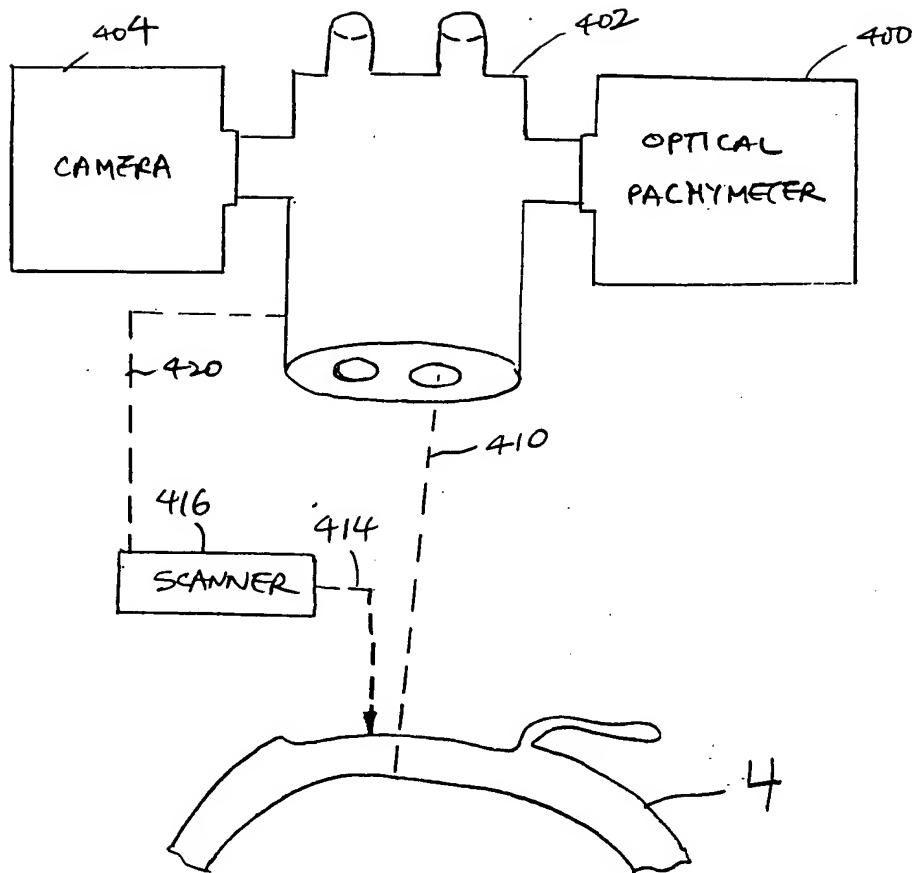


FIG. 12